

ABSTRACT OF THE DISCLOSURE

A radio communication apparatus includes a received beam generating section 12 for generating received beams beam0 and beam1, which are perpendicular to each other and spatially 5 separated, by assigning weights to received signals fed from receiving antennas 11 by using received beam weights; path search sections 13 and 14 each for outputting path information when the received beams beam0 or beam1 includes a spread signal spread by a known spreading code; a demodulating section 16 for 10 outputting demodulation data by receiving the received beams beam0 and beam1 and by RAKE combining them in response to the path information; and a feedback control section 15 for outputting selection information 101 by selecting a transmission beam to be transmitted in response to the path information and 15 the phase difference between the received beams beam0 and beam1 fed from the demodulating section 16.